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OFFICE OF THE ASSISTANT SECRETARY FOR DEFENSE
COMMAND, CONTROL, COMMUNICATIONS AND INTELLIGENCE
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August 8, 1992

To: Duane Andrews
From: Paul A. Strassmann
Subject: CIM and C3I

My May 12 talk before the Automated Mission Planning Society received more attention than anticipated, such as featuring it in the Washington Technology bi-weekly [enclosed].

You may be also interested in the reactions from retired Generals, Messrs. Piotrowski, Otis and Hardesty. Enclosed is a summary of what they had to say. Max Thurman has also conveyed his full endorsement in a private conversation as well as publicly before a meeting of the Defense Science Board. Ret. Gen. Larry Welch has also phoned with encouragement and made arrangements for me to visit with Gen. Loh to discuss these matters.

It seems that except for some noteworthy reservations, the Generals share a positive view how to approach more rapid and less costly fielding of information systems for C2.

Paul

ic: Graves, Grimes, Quinn, Schanzer, Short

CIM PRINCIPALS

Enclosure 1

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MAKE PERSONAL COMPUTERS AN ITEM OF SUPPLY			
• Make personal computers a field issue item	agree	everyone doesn't need one	
• Manage data not its software	agree		
• Reuse software objects vice procedural languages	maximize use of popular commercial languages	Does it push info or meet commanders needs for pull?	
APPLY SYSTEM INTEGRATION DISCIPLINES			
• Shared message between every communications source	standard products messages, waive forms		
• "Enterprise" Integration for Joint Missions at OSD level	Concept parallels containerized Cargo Systems. Need rigorous controls.	Can management of Databases successfully be executed? Service specific data at components? Will intelligence agencies play?	OSD must set standards and protocols for all services in C2 area
• Computer services utility backbone computing structure for DoD	Agree, needs lots of SATCOM		OSD, JCS, and Services must work closely in details to be implemented
• "Design [information systems] as we train": information systems serve unpredictable and unique needs of individuals	Agree, but uncontrolled personalization can bite	sound and fundamental	
INCREASING THE CUSTOMER'S CAPABILITIES			
• "Shadow warrior" portability of thinking patterns into the battlefield	several people may use same computer		
• Shift audio messages to the visual form - battlefield has to be digital	disagree: intensifies communications overload	very important	

CIM PRINCIPALS

Enclosure 1

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PRESERVATION OF ACCUMULATED TRAINING SKILLS AND SECURITY			
• Standard Info Window (SIW) - training cost is not in application software but in what the soldier sees	very important concept, get right people involved	agree	
• Security: pass many inquiries without clearance	protecting the system is critical		
PRESERVATION OF PROGRAMMER'S KNOWLEDGE			
• CASE conversion of repository objects to machine specific programs	overdrawn	agree	
• Standard toolset			
• Evolutionary and incremental systems			



Dr. S. Bonder to Mr. P. Strassmann
5 August 1992
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Have you given any thought to another work session? I believe getting into some of the "how to" details might be useful.

Sincerely,

A handwritten signature in black ink, appearing to read 'Seth Bonder'. The signature is written in a cursive style with a large, sweeping 'S' and a long, horizontal stroke at the end.

Seth Bonder

SB/kak
Enclosures as noted

cc: Dr. Michael Mestrovich